



Safety Data Sheet

Product Name: XTR-311 Epoxy Adhesive Part B (Hardener)

SDS Date: 01/12/23

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: XTR-311 Part B (Hardener)

Manufacturer: His Glassworks, Inc.
2000 Riverside Drive
Suite 19
Asheville NC 28804
828-254-2559

Emergency Phone number: ChemTel, Inc.
Toll Free: 800-255-3924
International: +813-248-0585

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
Acute toxicity, oral - Category 4
Skin Irritation - Category 2
Eye Irritation - Category 2
Acute aquatic toxicity - Category 3

(Hazard Pictograms):



GHS05



GHS07



GHS08

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H302 Harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation
H402 Harmful to aquatic life

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children
P103 Read label before use
P264 Wash skin thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P302 + P352 If on skin: Wash with plenty of soap and water
P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs, get medical attention
P337 + P313 If eye irritation persists, get medical attention
P362 + P364 Take off contaminated clothing and wash it before reuse
P501 Dispose of contents/container according to local, state, national and international regulations

Hazards not otherwise classified (HNOC): None known

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Component	CAS#	Concentration
TETA, reaction products with propylene oxide	269850-63-0	>50%
Triethylenetetramine (TETA)	112-24-3	<17%
Trimethylolpropane polyoxypropylene triamine	39423-51-3	20% – 33%

4. FIRST AID MEASURES

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Inhalation	Remove sources of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately
Skin Contact	In case of skin contact, wash thoroughly with soap and water.
Eye Contact	Flush eyes with plenty of water. If irritation persists, seek medical attention.
Ingestion	Do not induce vomiting unless instructed by a physician. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flammable Classification	Non-flammable
Extinguishing media	Water fog, Dry chemical and carbon dioxide foam
Unusual Fire or Explosion Hazards	Non known
Fire fighting instructions	Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapors. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam.
Further information	Because fire may produce toxic thermal decomposition products, wear a self contained breathing apparatus (SCBA) with a full face piece operated in pressure demand or positive-pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Spill/ Leak procedures	Only properly protected personnel should remain in the spill area; dike and contain spill; absorb or scrape up excess into suitable container for disposal; wash area with dilute ammonia solution. Stop or reduce discharge if it can be done safely.
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Environmental precautions: Prevent further leakage or spillage

7. HANDLING AND STORAGE

Handling precautions	Ensure good ventilation at the workplace. Use good general housekeeping procedures. Wash hands after use.
Storage requirements	Ensure Keep containers tightly closed and properly labelled. Store in a cool, dry, well ventilated place away from heat, direct sunlight, strong oxidizers and any incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Avoid water contamination. good ventilation/exhaustion at the workplace Prevent formation or aerosols

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory Protection	Respiratory protection is not normally required when using this product with adequate ventilation. Should a respirator be needed, follow OSHA respirator regulation 29CFR 1910.134 and European Standards EN 141, 143, and 371; wear an NIOSH approved respirator equipped with organic vapor cartridges.
Hand protection	Wear chemical resistant, liquid tight gloves such as butyl rubber, neoprene or PVC
Eye protection	Safety glasses with shields per OSHA eye and face protection regulations 29CFR 1910.133. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with, contact lenses.
Other protective equipment	Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.
Comments	Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	clear liquid
Color:	Colorless
Odor:	mild ammonia
pH:	NA
Water solubility:	not available
Boiling point/range:	no available
Flash point:	347°F
Relative vapor density:	>1 (Air = 1.0)
Vapor pressure:	<1.0mmHg @ 70°F
Specific Gravity:	1.01
Viscosity, dynamic:	not available
Auto igniting	Product is not self igniting
Danger of explosion	Product does not present an explosion hazard

10. STABILITY AND REACTIVITY

Reactivity	No further relevant information available
Chemical stability	Stable under normal conditions
Thermal decomposition/ conditions to be avoided	No decomposition if used according to specifications
Possibility of hazardous reactions	No dangerous reactions known
Conditions to avoid	No further relevant information available
Incompatible materials	No further relevant information available
Hazardous decomposition products	No dangerous decomposition products known

11. TOXICOLOGICAL INFORMATION

Skin corrosion	No data
Serious eye irritation	no data
Carcinogenicity	no data
Reproductive toxicity	no data
On the eye	Strong irritant with the danger of severe eye injury Corrosive effect Causes serious eye irritation

12. ECOLOGICAL INFORMATION

Toxicity:

EC50 Daphnia sp	49 mg/l (48 h, static)
EC50 Algae	17 mg/l (72 h, static)
LC50 Fish	380 mg/l (96 h, static)
NOEC Algae	3.77 mg/l (72 h, static)
Persistence and Degradability	no data

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material

Uncleaned packagings

Recommendation

Disposal must be made according to official regulations

14. TRANSPORT INFORMATION

DOT Classification:

Proper shipping name: Amines, corrosive liquids, n.o.s. (ALKYL ETHER AMINE)
Class: 8
UN ID#: 2735
Packing Group: III

IATA Classification:

Proper shipping name: Amines, corrosive liquids, n.o.s. (ALKYL ETHER AMINE)
Class: 8
UN ID#: 2735
Packing Group: III

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA Inventory Status All components of this formulation are listed in the TSCA Inventory

California Proposition 65 This product does not intentionally contain any chemicals which have been identified by the state of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

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The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.